


**MANIFATTURA TUBI GOMMA S.p.A.**

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## APPLICATION

- Silicone hose for suction and delivery of high purity products, foodstuff and fluids with alcohol content up to 96%.
- Reinforced version suitable for process applications requiring a tight bending radius and a high vacuum resistance.
- Normally used in food, pharmaceutical and cosmetic industries.
- Resistant to suction.

## CONSTRUCTION

### TUBE

- Silicone rubber, translucent (code 3362PT), food and pharmaceutical quality, odourless and tasteless, smooth, glossy finish.

### REINFORCEMENT

- High strength synthetic plies.
- Embedded stainless steel helix wire.

### COVER

- Silicone rubber, translucent (code 3362PT), food and pharmaceutical quality, smooth with glossy finish.
- It may easily be cleaned with any mild detergent.

## STANDARDS

- US Pharmacopoeia Class VI, non-cytotoxic acc. to ISO 10993-Part 5.
- Compliance: European Pharmacopoeia 3.1.9, ISO 10993-4, -10, -11, 3-A Sanitary Standards n.18-03-Class I, FDA Standards, BfR, D.M. 21/03/73 and following amendments, arrêté du 25 novembre 1992 relatif aux matériaux et objets en élastomères de silicone.

## SAFETY FACTOR

- ≥ 3 times working pressure.

## MAIN BENEFITS

- Platinum-cured silicone hose with non-stick properties.
- From raw material to packaged product, the hose is manufactured in a cleanroom class 8, certified In Operation according to the ISO 14644-1 standard. MTG guarantees full traceability of the production process.
- Used in aseptic environments and sanitary applications: produced with the utmost care, from the choice of high-purity ingredients to production and storing procedures.
- Hose in accordance with EC 1935/2004 and 2023/2006/EC (GMP).
- The MTG production cycle is free from animal derived ingredients, phthalates, adipates, nitrosamines, and materials subject to restrictions acc. to EC 1907/2006 (REACH).
- Non-plasticized hose.
- On demand, Leachables & Extractables tests are available.

## TEMPERATURE RANGE

- From -60°C to +200°C.

## STERILIZATION

- Sterilization with steam up to +135°C at 3.5 bar for max. 90 minutes.
- Sterilization with hot air up to +200°C for max. 30 minutes.
- Sterilizations repeated at intervals of less than 1 hour may seriously affect the mechanical features of the hose.

## MARKING



## TECHNICAL SPECIFICATIONS

SIZE TOLERANCES: I.D.: ISO 1307 - Wall thickness: +1/-0.5mm - Length: ISO 1307

Inner Diameter mm	Outer diameter mm	Wall thickness mm	Working pressure* BAR	Burst pressure BAR	Min. bending radius mm	Vacuum BAR	Approx. weight kg/m	Max. length m
10	22	6.0	10	30	50	-0.9	0.38	30
13	25	6.0	10	30	52	-0.9	0.45	30
16	29	6.5	10	30	60	-0.9	0.53	30
19	32	6.5	10	30	66	-0.9	0.62	30
25	38	6.5	10	30	86	-0.9	0.75	30
32	45	6.5	10	30	110	-0.9	0.92	30
38	52	7.0	10	30	130	-0.9	1.25	30
50	64	7.0	10	30	200	-0.9	1.62	30
63.5	77.5	7.0	8	24	250	-0.9	2.22	20
76	90	7.0	8	24	350	-0.9	2.95	20
100	114	7.0	7	21	500	-0.9	3.62	20

(\*) At a temperature of +100°C the W.P. decreases by 20%.

Chemical resistance acc. to MTG Chemical Resistance Chart. Above technical data refer to application at room temperature (+20°C).

Other sizes are available on demand. Please contact our Sales Department.



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